

CLAIMS

1. An electronic device comprising:
one or more electrical components;
a housing for containing the electrical components, the housing comprising a bottom component configured to have at least some of the electrical components positioned thereon, the bottom component joined to bottom portions of a pair of sidewalls, the bottom portions contained in a plane extending therebetween; and,
at least some portions of the bottom component being more proximate the plane when the electrical components are positioned thereon than in the absence of the electrical components.
2. The electronic device as recited in claim 1, wherein the portions of the bottom component comprise a majority of the bottom component.
3. The electronic device as recited in claim 1, wherein the portions of the bottom component comprise at least a first portion which lies parallel to the plane in both the presence and absence of the electrical components.
4. The electronic device as recited in claim 3 further comprising a top component configured to be attached to the sidewalls and thereby causing at least the first portion of the bottom component to be displaced toward the top component.

5. An electronic device housing comprising:

a pair of sidewall components extending between respective top sidewall portions and bottom sidewall portions, the bottom sidewall portions lying in a plane that extends between the bottom sidewall portions; and,

a bottom component joined with and extending between the bottom sidewall portions, wherein the bottom component has a non-loaded disposition relative to the plane and a loaded disposition relative to the plane, and wherein at least a portion of the bottom component is closer to the plane in the loaded disposition than in the non-loaded disposition.

6. The electronic device housing as recited in claim 5, wherein in the non-loaded disposition and in the loaded disposition, at least a majority of the bottom component lies on the same side of the plane.

7. The electronic device housing as recited in claim 5, wherein in the loaded disposition at least a majority of the bottom component is on the same side of the plane as the top portions.

8. The electronic device housing as recited in claim 5, wherein the bottom component and the pair of sidewall components are formed from a single piece of material.

9. The electronic device housing as recited in claim 8, wherein the single piece of material comprises a base pan.

10. The electronic device housing as recited in claim 5, wherein the portion of the bottom component is generally oriented along the length.

11. The electronic device housing as recited in claim 5, wherein the portion of the bottom component extends along an entirety of the length.

12. The electronic device housing as recited in claim 5, wherein the portion of the bottom component is generally oriented along the width.

13. An electronic device comprising:
a base pan having a first unassembled configuration and a second assembled configuration; and,
a top configured to be assembled with the base pan such that at least a portion of the base pan, in the assembled configuration, is more upwardly disposed toward the top than in the unassembled configuration.

14. The electronic device as recited in claim 13, wherein the base pan comprises a bottom component and two sidewall components.

15. The electronic device as recited in claim 13, wherein the base pan comprises a bottom component, two sidewall components and a back wall component.

16. The electronic device as recited in claim 13, wherein the base pan comprises a bottom component and two sidewall components, and wherein in the unassembled configuration individual sidewall components intersect the bottom component at an acute angle, and wherein in the assembled configuration individual sidewall components intersect the bottom component at a right angle.

17. The electronic device as recited in claim 14, wherein in the assembled configuration the bottom component has a generally concave shape that is oriented away from the top.

18. The electronic device as recited in claim 17, wherein the concave shape of the bottom component lies on the same side of the plane as the top.

19. An electronic device comprising:
a base pan configured to have at least one electrical component positioned thereon; and,
a top component configured to be assembled with the base pan, wherein at least a portion of the base pan being configured such that assembly

of the base pan and the top component causes the portion to be disposed toward the top component.

20. The electronic device as recited in claim 19, wherein the base pan comprises a bottom component and a pair of sidewall components which define a width of the bottom component.

21. The electronic device as recited in claim 20, wherein the base pan has a length extending orthogonally to the width and wherein the portion extends an entirety of the length.

22. The electronic device as recited in claim 20, wherein the base pan has a length extending orthogonally to the width and wherein the portion extends less than an entirety of the length.

23. The electronic device as recited in claim 20, wherein the portion extends generally along the width.

24. An electronic device comprising:

a base pan having an unassembled flexure disposition and an assembled flexure disposition which is different from the unassembled flexure disposition; and,

a top component configured to be assembled with the base pan to provide the base pan into its assembled flexure disposition, wherein the

assembled flexure disposition is more flexed than the unassembled flexure disposition.

25. The electronic device as recited in claim 24, wherein the assembled flexure disposition is concave away from the top component.

26. A server housing comprising:

a bottom component configured to have electrical components positioned thereon; and,

a first sidewall component joined with the bottom component at a first intersection and at least a second sidewall component joined with the bottom component at a second intersection, wherein the first and second intersections lie in a plane, and wherein a portion of the bottom component is displaced away from the plane and being configured such that positioning electric components on the bottom component will cause the portion to deflect toward the plane.

27. A method comprising:

configuring a base pan to have an unassembled flexure disposition and, when assembled with a top component, an assembled flexure disposition which is different from the unassembled flexure disposition; and,

mounting a top component on the base pan sufficient to provide the base pan into its assembled flexure disposition, wherein the assembled flexure disposition is more flexed than the unassembled flexure disposition.

28. A method comprising:

manipulating a material to form a bottom component and two sidewall components such that an intersection of the bottom component and the two sidewall components lies in a plane; and,

manipulating at least a portion of the bottom component to have a first non-loaded disposition and a second loaded disposition, such that at least a portion of the bottom component is more proximate the plane in the second loaded disposition than in the first non-loaded disposition.

29. A method comprising:

manipulating a material to form a bottom component of a server housing, wherein the bottom component has a first edge and at least a second edge and wherein the first and second edges lie in a plane; and,

manipulating at least a region of the bottom component to cause a portion of the bottom component to be deflected away from the plane such that positioning electrical components on the bottom component will cause the portion to deflect toward the plane.

30. The method as recited in claim 29, wherein the act of manipulating at least a region comprises one or more of bending, forming, and crimping the at least a region.